

Recombinant Human SCO1 protein, His-tagged

Cat. No. SCO1-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCO1(132-301aa) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	132-301 a.a.
Description	Mammalian cytochrome c oxidase (COX) catalyzes the transfer of reducing equivalents from cytochrome c to molecular oxygen and pumps protons across the inner mitochondrial membrane. In yeast, 2 related COX assembly genes, SCO1 and SCO2 (synthesis of cytochrome c oxidase), enable subunits 1 and 2 to be incorporated into the holoprotein. This gene is the human homolog to the yeast SCO1 gene.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	20.5 kDa (179aa) confirmed by MALDI-TOF
AA Sequence	MGKPLLGGPF SLTTHTGERK TDKDYLQWL LIYFGFTHCP DVCPEELEKM IQVVDEIDSI TTLPDLTPLF ISIDPERDTK EAIANYVKEFSPKLVGLTGT REEVDQVARA YRVYYSPGPK DEDEDYIVDH TIIMYLIGPD GEFLDYFGQN KRKGEIAASI ATHMRPYRKK SLEHHHHHH

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Purity	> 95 % by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles
Concentration	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	SCO1 SCO cytochrome oxidase deficient homolog 1 (yeast) [Homo sapiens]
Official Symbol	SCO1
Synonyms	SCO1; SCO cytochrome oxidase deficient homolog 1 (yeast); SCO (cytochrome oxidase deficient, yeast) homolog 1 , SCOD1; protein SCO1 homolog, mitochondrial; SCOD1;
Gene ID	6341
mRNA Refseq	NM_004589
Protein Refseq	NP_004580
MIM	603644
UniProt ID	O75880
Chromosome Location	17p13.1
Pathway	Electron Transport Chain, organism-specific biosystem;

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Function

copper ion binding; metal ion binding;

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